Apple II
Technical Notes

Developer Technical Support

Apple IIGS
#106: ADB Addendum

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This Technical Note documents some bits in the ADB `SendInfo` data byte for `setModes` and `clearModes`.

`SendInfo` is documented in Volume 1 of *Apple IIGS Toolbox Reference*, but it doesn't tell you what any of the bits in the `setModes`/`clearModes` data byte are for. Well, here are the useful ones:

Bit	Value	Description
6	$40	Shift+CapsLock=Lowercase mode
4	$10	Keyboard buffering
3	$08	Dual-speed keys
2	$04	Fast space/delete keys

For example, to turn off keyboard buffering without altering the user's Battery RAM, you can do the following:

```
                pea 1                   ;number of data bytes
                pushlong #modesToClear  ;pointer to data byte
                pea 5                   ;modeCmd = clearModes
                _SendInfo
                ...

   modesToClear dc.b $10                ;bit 4 = keyboard buffering
```

Note that the user's control panel setting will become current again if they hit Command-Ctrl-Esc (the system calls the `TOBRAMSETUP` vector at $E10094 to update the system from Battery RAM).

Further Reference
- *Apple IIGS Toolbox Reference*, Volume 1